LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method of cementing in a subterranean formation comprising the steps of:

providing a well fluid that comprises a base fluid and a portion of hollow particles;

placing the well fluid in a subterranean annulus;

permitting at least a portion of the well fluid to become trapped within the annulus:

providing a cement composition; placing the cement composition in the annulus; and permitting the cement composition to set therein.

- 2. (Original) The method of claim 1 wherein the step of permitting at least a portion the well fluid to become trapped within the annulus occurs after the step of placing the cement composition in a subterranean annulus.
- 3. (Original) The method of claim 2 wherein the step of permitting at least a portion of the well fluid to become trapped within the annulus occurs before the step of permitting the cement composition to set within the subterranean annulus.
- 4. (Original) The method of claim 1 further comprising the step of placing a tracer pill into the annulus.
- 5. (Original) The method of claim 4 wherein the tracer pill comprises a fluorescein dye, a tracer bead, or a mixture thereof.
- 6. (Original) The method of claim 4 wherein the step of placing a tracer pill into the annulus occurs before the step of placing the well fluid in the subterranean annulus.
- 7. (Original) The method of claim 4 further comprising the step of observing the arrival of the tracer pill at a desired location.
- 8. (Original) The method of claim 7 wherein the step of observing the arrival of the tracer pill at a desired location occurs before the step of placing the cement composition in a subterranean annulus.

- 9. (Original) The method of claim wherein the base fluid is an aqueous-based fluid or a nonaqueous-based fluid.
- 10. (Original) The method of claim 9 wherein the nonaqueous-based fluid is selected from the group consisting of: diesel, crude oil, kerosene, an aromatic mineral oil, a nonaromatic mineral oil, an olefin, and a mixture thereof.
- 11. (Original) The method of claim 1 wherein the base fluid is present in an amount sufficient to form a pumpable well fluid.
- 12. (Original) The method of claim 1 wherein the base fluid is present in an amount in the range of from about 20% to about 99% by volume.
- 13. (Original) The method of claim 1 wherein the hollow particles comprise a material that may deform to a desired degree upon exposure to a force.
- 14. (Original) The method of claim 13 wherein the material is a synthetic borosilicate.
- 15. (Original) The method of claim 13 wherein the deformation of the material upon exposure to the force reduces the volume of a hollow particle to a desired degree.
- 16. (Original) The method of claim 1 wherein the hollow particles are present in the well fluid in an amount sufficient to provide a desired amount of expansion volume for an annular fluid.
- 17. (Original) The method of claim 16 wherein the hollow particles are present in the well fluid in an amount in the range of from about 1 % to about 80% by volume of the well fluid.
- 18. (Original) The method of claim 1 wherein the well fluid further comprises a gasgenerating additive.
- 19. (Original) The method of claim 18 wherein the gas-generating additive is selected from the group consisting of: an aluminum powder and an azodicarbonamide.
- 20. (Original) The method of claim 19 wherein the gas-generating additive is present in the well fluid in an amount in the range of from about 0.2% to about 5% by volume.
- 21. (Original) The method of claim 1 wherein the well fluid further comprises a viscosifier, an oxidizer, a surfactant, a fluid loss control additive, a dispersant, a tracer, or a weighting material.

- 22. (Original) The method of claim 21 wherein the tracer is a fluorescein dye, a tracer bead, or a mixture thereof.
- 23. (Original) The method of claim 1 wherein the well fluid further comprises a silicate, a metasilicate, or an acid pyrophosphate.
- 24. (Original) The method of claim 23 wherein the silicate or metasilicate is present in the well fluid in an amount in the range of from about 2% to about 12% by weight of the well fluid.
- 25. (Original) The method of claim 23 wherein the acid pyrophosphate is present in the well fluid in an amount in the range of from about 1 % to about 10% by weight of the well fluid.
- 26. (Original) The method of claim 1 wherein the well fluid comprises sodium silicate, sodium metasilicate, potassium silicate, potassium metasilicate, or sodium acid pyrophosphate.
 - 27.-66. (Cancelled).